



NCI-Frederick

ENVIRONMENTAL MANAGEMENT SYSTEM

EMS General
Awareness Training



This EMS training module has three objectives:

1. Familiarize personnel with the intent and structure of NCI-F's EMS;
2. Ensure all personnel understand how their jobs impact the environment and what procedures are available to improve that impact;
3. Encourage employees to participate in the EMS more actively.



What is an EMS?

It is an organizing tool, mostly a set of environmental goals and a number of procedures intended to achieve those goals.

NCI-F's EMS consists primarily of people who review the facility's activities - from paint shops to fleet vehicles to hazardous waste management to purchasing - and who work with personnel to measure, improve and document environmental performance.



For Example...

One of our EMS goals is to maximize the gas mileage achieved by our fleet of vehicles.

To do this effectively, many groups of people have to become involved: Purchasing, Contracting and vehicle users themselves - such as delivery personnel, FME shops and Protective Services officers.

The EMS is a mechanism to bring those people together to set schedules and milestones, investigate options, identify potential problems and document how their decisions are made.



Who is Involved in the EMS?

To date,

- Senior management of NCI-F and SAIC-F
- Acquisition and Logistical Services (ALS)
- Facilities Maintenance & Engineering (FME)
- Environment, Health & Safety (EHS)

Other groups will be included as the program matures.



Why an EMS?

Executive Orders from the President and direction from the Department of Health & Human Services require facilities such as NCI-F to manage their environmental impacts systematically.

An **Environmental Management System** is just that: a framework through which all facility activities and products can be reviewed and priorities set for the most serious environmental hazards.

Obviously, NCI-F already has many existing procedures and programs in place to reduce energy usage or increase recycling and such. An EMS is intended tie all pieces these together and expand them, using the ISO 14001 international standard.



Quick Review

- NCI-F is committed to continually review and improve its environmental performance.
- The NCI-F Environmental Management System (EMS) was started in response to that commitment.
- It is intended to identify, prioritize and reduce negative environmental impacts.
- The EMS , so far, only encompasses personnel within SAIC's ALS, EHS and FME groups.



What Do I Need to Know About the EMS ?

- The NCI-F Environmental Policy
- Those areas on which our EMS is focused – which are called “Environmental Aspects.”
- Whether or not your job – yes, *you* – affects those Aspects, and
- What to do if it does.

The remaining slides cover these points.



Environmental Policy

NCI-F's Environmental Policy was signed by both the Director of Scientific Operations and Chief of the Management Operations and Support Branch in 2005 and includes:

- A commitment to environmental compliance
- A commitment to pollution prevention, and
- A commitment to continual improvement

This Policy is the basis for NCI-F's EMS.



Environmental Policy

The signed policy is available on the
NCI-F webpage:

http://www.ncifcrf.gov/ems/documents/environmental_policy2.pdf



Environmental Aspects & Impacts

ISO 14001 uses the terms “aspects” and “impacts” to indicate a cause-and-effect relationship:

Aspects are areas of concern such as “energy consumption” or “hazardous chemical usage” that may lead to

Impacts, which are effects, such as “degradation of land or water” or “depletion of natural resources”



Environmental Aspects

NCI-F's EMS includes a procedure by which Aspects are scored and ranked, by significance. Some apply to all facility personnel, e.g., water usage, energy consumption, and some only apply to select personnel, such as hazardous chemical usage and radioactive waste.

NCI-F has identified



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Aspects:

significant

NCI-F Significant Environmental Aspects

1. Fleet Fuel Consumption
2. Facility Energy Usage
3. Green Purchasing
4. Hazardous Chemical Usage
5. Hazardous Waste Generation
6. Pesticide Usage
7. Radioactive Waste Generation
8. Refrigerant U



Environmental Aspects

For each of these Significant Aspects, the EMS has established goals and objectives, such as reducing waste volumes or maintaining compliance with standards or regulations.

Most of these targets will be reached through creating or fine-tuning operating procedures and training.



Quick Review 2

- NCI-F's Environmental Policy authorizes the EMS and commits the facility to complying with environmental laws, preventing pollution and improving its environmental performance.
- NCI-F's EMS has identified eight Significant Aspects.
- Personnel whose activities include those aspects are trained on procedures to minimize their negative impacts.



For More Information or to Get Involved

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Thank you for taking
the time to review this
training.

